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DATE MAILED: 09/13/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

5514 7590 09/13/2010 FITZPATRICK CELLA HARPER & SCINTO

1290 Avenue of the Americas NEW YORK, NY 10104-3800 EXAMINER
MENBERU, BENIYAM
ART UNIT PAPER NUMBER
2605

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,103	09/08/2003	Minako Kato	01272.020629.	7041

TITLE OF INVENTION: IMAGE PROCESSING METHOD AND IMAGE OUTPUT SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/13/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/656,103 TITLE OF INVENTION	09/08/2003 : IMAGE PROCESSING	METHOD AND IMAG	Minako Kato SE OUTPUT SYSTEM		01272.020629.	7041	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/13/2010	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS]			
MENBERU,	BENIYAM	2625	358-001900	•			
1. Change of correspondence address or indication of "Fee Address" (3 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attacked. "Fee Address form PTO/SB/122 attacked." "Fee Address" indication for "Fee Address" indication form PTO/SB/47; Rev 03-02 or more recent) attacked. Use of a Custom Number is required.			(I) the names of up to or agents OR, alternation (2) the name of a single	ne of a single firm (having as a member a 2			
	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee detion of this form is NC	(B) RESIDENCE: (CITY	atent. If an assignee assignment. and STATE OR CO	OUNTRY)	document has been filed for	
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car	d. Form PTO-2038 i	is attached.	shown above) eficiency, or credit any in extra copy of this form).	
- 11	s SMALL ENTITY state	is. See 37 CFR 1.27.			ENTITY status. See 37 C		
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FITZPATRICK	CELLA HARPER &	MENBERU, BENIYAM			
1290 Avenue of the Americas NEW YORK, NY 10104-3800			ART UNIT	PAPER NUMBER	
			2625		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1161 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1161 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/656,103 KATO, MINAKO Notice of Allowability Examiner Art Unit BENIYAM MENBERU 2625 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 6/18/2010. The allowed claim(s) is/are 25-30 and 41-54. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance

of Biological Material

9. Other ____.
/Edward L. Coles/

Supervisory Patent Examiner, Art Unit 2625

Application/Control Number: 10/656,103 Page 2

Art Unit: 2625

EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows to correct for spelling errors:

- Claim 53, line 1, "non-transistory" should be changed to "non-transitory".
- Claim 54, line 1, "non-transistory" should be changed to "non-transitory".

Allowable Subject Matter

- Claims 25-30 and 41-54 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

In addition to the teachings of the claims 25, 30, 44, 49, 53 and 54 as a whole, the closest prior art of record failed to teach or suggest, wherein the correction is based on the following equation:

"a second unit for converting the primary color data having any two of maximum values and one of minimum values of colors R, G and B into color data for outputting both the dark color material and a light color material in a second mode, wherein the color data converted from the primary color data in the second mode is color data for outputting

Application/Control Number: 10/656,103

Art Unit: 2625

both the dark color material corresponding to a complementary color of the minimum value of colors and light material other than the complementary color of the minimum value of colors."

Therefore, claims 26-29 and 41 are allowable for depending on claim 25.

Therefore, claims 42-43 are allowable for depending on claim 30.

Therefore, claims 45-48 and 50 are allowable for depending on claim 44.

Therefore, claims 51-52 are allowable for depending on claim 49.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Other Prior Art Cited

- The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - U.S. Patent No. 5988791 to Mivashita et al discloses printer.
 - U.S. Patent No. 7528971 to Harrington discloses halftone system.
 - U.S. Patent No. 7222928 to Fujimori discloses printing system.
 - U.S. Patent No. 6178008 to Bockman et al disclose color conversion.

Art Unit: 2625

U.S. Patent Application Publication No. US2003/0052942 A1 to Yashima et al discloses print system.

- U.S. Patent Application Publication No. US2003/0007024 A1 to Fujimori discloses pixel data processing.
- U.S. Patent Application Publication No. US2002/0054306 A1 to lida et al discloses image processor.
- U.S. Patent Application Publication No. US2002/0048031 A1 to Suwa et al discloses color conversion.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BENIYAM MENBERU whose telephone number is (571) 272-7465. The examiner can normally be reached on 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is (571) 272-2600. The group receptionist number for TC 2600 is (571) 272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published Application/Control Number: 10/656,103

Art Unit: 2625

applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov/>.

Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner

Beniyam Menberu

/Beniyam Menberu/ Examiner, Art Unit 2625

08/24/2010

/Edward L. Coles/

Supervisory Patent Examiner, Art Unit 2625